

May 29, 1979

Memo to File:

Re: Energy Fuels Nuclear, Inc.
Sahara Mine
Emery County
ACT/015/026

The site of this newly proposed underground uranium mining operation was inspected by Ron Daniels and Jim Smith on May 22, 1979. They were accompanied by Mr. Dean Roberts of Energy Fuels Nuclear.

The mine is located approximately 12 miles west of Green River, just off Highway 24 in Section 15, Township 22 South, Range 14 East. Although this will be a new mine, the area has been mined in the past and is currently being mined on the adjacent Watterson claims immediately south and west of the Sahara claims.

The disturbed area will involve approximately 20 acres, including 1.5 acres for access roads, 5 acres for handling mine water discharge, and 13.5 acres for other support facilities, including two future vent holes.

Mining will be underground room and pillar after completion of a 3,000 foot incline to the ore body. Prior to construction the available topsoil will be placed in an area against the hillside. Ore will be stockpiled onsite until it is trucked to the proposed mill at Blanding. Three buildings are proposed to be built at the site, a shop, warehouse, and office.

Energy Fuels Nuclear has applied for an N.P.D.E.S. permit and will contact State Health for their requirements in treating the mine water discharge. Currently, the dike for the treated water storage impoundment has been constructed in the mouth of the draw to collect the mine water being pumped out and to protect Mr. Watterson's operation. A second impoundment up canyon from the storage impoundment is proposed to hold the raw mine water for treatment using barium chloride. A diversion ditch is proposed to channel runoff around the impoundments.

Soils in the area are shallow, having a sandy clay texture, and an alkaline pH. Vegetation is sparse but varied. Species noted were astragalus species, broom snakeweed, ephedra, shadscale, sagebrush, fourwing saltbush, greasewood, Indian ricegrass, sand dropseed, galleta grass, globe mallow, Russian thistle, evening primrose, and several mustard species.

Memo to File
Energy Fuels Nuclear, Inc.
Act/015/026
May 29, 1979
Page Two

Energy Fuels Nuclear plans to initiate some revegetation test plots to determine exactly what species and treatments will be best for reclamation of the disturbed area upon termination of operations.

JAMES W. SMITH JWS
RECLAMATION SOILS SPECIALIST

JWS/sp